

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

PCT/JP2003/005136



Applicant's or agent's file reference 03PCFP849	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP03/05136	International filing date (day/month/year) 23 April 2003 (23.04.03)	Priority date (day/month/year) 23 April 2002 (23.04.02)
International Patent Classification (IPC) or national classification and IPC H05K 9/00, 3/28		
Applicant NEC CORPORATION		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 23 April 2003 (23.04.03)	Date of completion of this report 12 November 2003 (12.11.2003)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/05136

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed
- ☐ the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the drawings:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/05136

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	3-18	YES
	Claims	1, 2	NO
Inventive step (IS)	Claims	4, 5, 7, 15-17	YES
	Claims	1-3, 6, 8-14, 18	NO
Industrial applicability (IA)	Claims	1-18	YES
	Claims		NO

2. Citations and explanations

Document 1: EP, 802710, A2 (Lucent Technologies Inc.), 22 October, 1997 (22.10.97)

Document 2: GB, 2254193, A (Telemecanique), 30 September, 1992 (30.09.92)

Document 3: JP, 9-51192, A (Hitachi, Ltd.), 18 February, 1997 (18.02.97)

Claims 1 and 2

The subject matters of claims 1 and 2 do not appear to be novel in view of document 1 cited in the ISR. The ground connecting portion described in claim 1 is disclosed in document 1 (column 5, lines 24-45). The constitution described in claim 1 in which a shield pack has (1) an insulating layer as the innermost layer and (2) a conductive layer as the outermost layer is disclosed in document 1 (column 6, lines 19-58). The constitution described in claim 1 in which the insulating layer is kept in close contact with electronic parts and a circuit board is disclosed in document 1 (column 8, line 58 to column 9, line 14). The constitution described in claim 2 in which the volume in the shield pack is decreased is disclosed in document 1 (column 8, line 58 to column 9, line 14).

Claims 3, 6, 8, 13, 14 and 18

The subject matters of claims 3, 6, 8, 13, 14 and 18 do not appear to involve an inventive step in view of documents 1 and 2 cited in the ISR. The grounding pad described in document 1 and the screws described in document 2 are identical with each other in function and belong to similar technical fields. So, a person skilled in the art could have easily conceived of using the screws described in document 2 instead of the grounding pad described in document 1.

Claims 4, 5, 15 and 16

The subject matters of claims 4, 5, 15 and 16 appear to involve an inventive step in view of documents 1-3 cited in the ISR. Documents 1-3 do not describe the constitution in which a base portion has a sectional area smaller than that of the bottom face of a weight to prevent the base portion from protruding from the bottom face of the weight. On the other hand, the invention of the present application with this constitution exhibits an advantageous effect that when a ground connecting terminal breaks through a shield pack, it cannot easily come out.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/05136

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of : V.2

Claims 7 and 17

The subject matters of claims 7 and 17 appear to involve an inventive step in view of documents 1-3 cited in the ISR. Documents 1-3 do not describe the constitution in which a through hole is filled with a conductor connected to a ground connecting portion.

Claim 9

The subject matter of claim 9 does not appear to involve an inventive step in view of documents 1 and 2 cited in the ISR. The constitution described in claim 9 in which the air in a shield pack is evacuated is disclosed in document 1 (column 8, line 58 to column 9, line 14).

Claim 10

The subject matter of claim 10 does not appear to involve an inventive step in view of documents 1 and 2 cited in the ISR. The constitution described in claim 10 in which at least part of a circuit board and at least part of the external faces of electronic parts are coated with an adhesive is disclosed in document 1 (column 8, lines 40-57).

Claims 11 and 12

The subject matters of claims 11 and 12 do not appear to involve an inventive step in view of documents 1-3 cited in the ISR. The metalized flexible enclosure described in document 1 and the heat shrinkable tube described in document 3 are identical with each other in function and belong to similar technical fields. So, a person skilled in the art could have easily conceived of using the heat shrinkable tube described in document 3 instead of the metalized flexible enclosure described in document 1.